

**Abstract**

Methods are disclosed for sterilizing preparations of digestive enzymes to reduce the level of one or more active biological contaminants or pathogens therein, such as viruses, bacteria (including inter- and intracellular bacteria, such as mycoplasmas, ureaplasmas, nanobacteria, chlamydia, rickettsias), yeasts, molds, fungi, prions or similar agents responsible, 5 alone or in combination, for TSEs and/or single or multicellular parasites. These methods involve sterilizing preparations of digestive enzymes, such as trypsin,  $\alpha$ -galactosidase and iduronate-2-sulfatase, with irradiation.

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